Index to Volume XXI

Acoustic tumors: See Intracranial tumors
Adams, J. E. See Wylie, E. J., 212
Adhesive, EDH for coating intracranial aneurysms, 114
Aged, team approach to surgical management of, 1031
Aitken, R. R., and Drake, C. G. Continuous spinal drainage in the treatment of postoperative cerebrospinal-fluid fistulae, 275
Albin, M. See Verdura, J., 1047
Alexander, E., Jr., and Davis, C. H., Jr. The radiographic demonstration of cysts and abscesses of the brain. Use of micropaque barium in suspension, 288
Alexander, S., and Kerr, F. W. L. Blood pressure responses in acute compression of the spinal cord, 485
Alonso, P. See Lombardo, L., 704
Amador, L. V. See Siqueira, E. B., 216
Amebiasis, cerebral, report of cases, 704
American Board of Neurological Surgery, 432, 824, 907
Ames, A., III. See Wright, R. L., 567
Amphotericin-B, cure after treatment with, after operation for cervical spine *Coccidioides immitis*, 512
American Academy of Neurological Surgery, 82
American College of Surgeons, 1119
American Medical Association, 907
American Neurological Association, 639, 824
Andrews, R. F., Gol, A., and Erickson, E. E. Granulation tissue—a result of trauma—simulating a brain tumor. Case report, 406
Anesthesiology, controversial areas in, 640
Aneurysm
  of cervical internal carotid, arteriosclerotic, excision of, 352
  of vertebrobasilar system, 781
Aneurysm, intracranial
  anterior communicating, natural history of, 266
  coating with "EDH-adhesive," 114
  deep-seated, combined stereotactic operation for, 358
  differentiation from infundibulum of posterior communicating artery, 135
  dissecting, of middle cerebral artery, 413
  experimental approach to problem, 838
  false, of median meningeal artery, caused during operations for extradural hematoma, 667
  false, of middle meningeal artery, 92
  multiple cerebral, identification of ruptured lesion, 182
  piloinjection for, 129
  results of operation for, 284
  ruptured, extracorporeal circulation and hypothermia in treatment of, 575
  ruptured, of internal carotid artery, causing epistaxis, 678
  thrombosis after wrapping with cyanoacrylate, 884
Angiography
  in diagnosis of pulsating exophthalmos, 561
  normal carotid siphon in pediatric patient, 216
  Renovist for, 83
  results of, in intrathoracic hyperpressure, 1087
  "tumor-stain" in cerebrovascular disease, 298
  with Hypaque, petechial reactions following, 381
Angioma
  deep-seated, combined stereotactic operation for, 358
  intramedullary, of cord, 311
Arroyo, L. S. See Lombardo, L., 704
As^{74} arsenate, tissue-concentration ratios of, 641
Assam, S. See Jackson, F. E., 237
Ausman, J. I., and Owens, G. The production of a virus-induced tumor in the central nervous system of monkeys, 660

Baiz, T. C. See Fox, J. L., 135
——, and Jakoby, R. K. Surgical treatment of an arteriovenous malformation associated with agenesis of the corpus callosum, 306
Baldwin, M. See Ommaya, A. K., 249
Barnard, R. O., and Lang, E. R. Cerebral and cerebellar gliomas in a case of von Recklinghausen's disease with adrenal phaeochromocytomas, 506
Barnum, Alec S., death, 246
Barr, H. W. K. See Drake, C. G., 575
Bassett, R. C. Discussion, 18
Beals, J. D. See McCormick, W. F., 678
Becker, M. See Kricheff, I. I., 7
Beckman, F. See Mullan, S., 68, 838
Bernstein, P. W., and King, R. B. Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation, 687
Bhagwati, S. A case of unilateral hydrocephalus secondary to occlusion of one foramen of Monro, 226
Blinderman, E. E. An evaluation of micropaque barium sulphate as a radiographic marker for cerebral abscess, 867
Blood vessels: See also Aneurysm; Hemorrhage
  arteries, tolerance of, to catheterization, 85
  arteriovenous malformation with agenesis of corpus callosum, 306
  blood flow in carotid arteries, effect of hemorrhage on, 763
  carotid arteritis causing hemiplegia in childhood, 540
  carotid-cavernous fistula, internal occlusion of, 303
  carotid-cavernous fistula, operation for, 859
  circle of Willis, dimensions and dynamics of, 26
  experimental vascular surgery, methyl-2-cyanoacrylate in, 1067
  extracorporeal circulation in treatment of ruptured intracranial aneurysm, 575
  infundibulum of posterior communicating artery differentiated from aneurysm, 135
  internal jugular venous flow, measurement of, 524
  occipital-vertebral anastomosis, 758
  persistent hypoglossal artery, syncope with, 139
  persistent trigeminal artery, 199
  small arteries, repair of, with Contact Cement and Teflon graft, 552
  vascular anomalies, value of arteriography in diagnosis, 461
  vascular disorders treated with aid of hypothermia and circulatory arrest, 372
Bondurant, C. P., Jr. See Coe, J. E., 884
Bonnal, J. See Paillas, J. E., 667

Book reviews
Bourret, P., and Louis, R. *Anatomie du système nerveux central*, 516
Clinical neurosurgery, vol. *10*, 906
Cooper, E. R. A. *An anatomical study of hydrocephalus*, 518
Di Chiro, G. *An atlas of detailed normal pneumoencephalographic anatomy*, 517
Diepen, R. *Handbuch der mikroskopischen Anatomie des Menschen*, vol. *1*, pt. 7, 157
Diethelm, L., and Strnad, F., Ed. *Handbuch der medizinischen Radiologie. Bd. VII/2. Röntgendiagnostik des Schädels*, 636
Fair, C. M. *The physical foundations of the psyche*, 158
Halpern, L. *Problems of dynamic neurology*, 1115
Hécaen, H., and de Ajuriaguerra, J. *Left-handedness—manual superiority and cerebral dominance*. E. Ponder, Transl., 1116
Hess, W. R. *The biology of mind*. G. von Bonin, Transl., 1116
Horatz, K., and Frey, R., Ed. *Schock und Plasmaexpander*, 1115
Komaromy, L. *Dissection of the brain. A topographical and technical guide*, 636
Krieg, W. J. S. *Connections of the cerebral cortex*, 517
Mackay, R. P., Wortis, S. B., and Sugar, O. *The year book of neurology, psychiatry and neurosurgery (1963–1964)*, 638
Norris, F. H., Jr. *The EMG. A guide and atlas for practical electromyography*, 157
Peiffer, J. *Morphologische Aspekte der Epilepsien. Pathogenetische, pathologisch-anatomische und klinische Probleme der Epilepsien*, 516
Potter, J. M. *The practical management of head injuries*, 1118
Refsum, S., Lossius, H. M., and Dietrichson, P., Ed. *The so-called extrapyramidal system*, 159
Sellier, K., and Unterharnscheidt, F. *Mechanik und Pathomorphologie der Hirnschäden nach stumpfer Gewalteinwirkung auf den Schädel*, 161
Semmes, R. E. *Ruptures of the lumbar intervertebral disc. Their mechanism, diagnosis, and treatment*, 637
Slooff, J. L., Kernohan, J. W., and MacCarty, C. S. *Primary intramedullary tumors of the spinal cord and filum terminale*, 1118
Spiegel, E. A., and Wycis, H. T., Ed. *1st international symposium on stereoencephalotomy (stereotaxic surgery)*, 245
Stookey, B. *A history of Colonial medical education, in the Province of New York, with its subsequent development (1767–1830)*, 1117
Tönnis, W., and Friedmann, G. *Das Röntgenbild des Schädels bei intrakranieller Drucksteigerung im Wachstumsalter*, 518
Unterharnscheidt, F. *Die gedeckten Schäden des Gehirns. Experimentelle Untersuchungen mit einmaliger, wiederholter und gehäufter stumpfer Gewalteinwirkung auf den Schädel*, 160
Van Bogaert, L., Kafer, J. P., and Poch, G. F., Ed. *Tropical neurology*, 159
Walker, A. E., and Jablon, S. *A follow-up study of head wounds in World War II*, 734
Zacks, S. I. *The motor endplate*, 906
Braham, J. See Brish, A., 207
Brain
abscess marked by micropaque barium sulphate, 867
agenesis of corpus callosum with arteriovenous malformation, 306
amebiasis, report of cases, 704
cerebral ischemia, maximal and pharmacologic prolongation, 567
cerebrovascular responses to increased intracranial pressure, 292
cysts and abscesses, demonstration by micropaque barium, 288
dehydration and rehydration with urea and mannitol, 118
destruction of "pyramidal tract" in man, 385
ectopic neural tissue of occipital bone, 479
effects of urea and other dehydrating agents on dog, 672
experimental hypertension and papilledema in monkey, 469
infantile cerebral palsy treated by penduculotomy, 1076
intracranial pressure and blood-brain barrier, 909
involved by Hodgkin's disease, 798
lateralization of cerebral speech dominance, Sodium Amytal for, 399
oral glycerol for reducing intracranial pressure, 278
rebound phenomenon and hypertonic solutions, 1059
syringobulbia, 230
thalamic regulation of sensorimotor activities, 348
transmission of increased intracranial pressure, 989, 998
Brain injury: See also Head injury
experimental concussion, 249
Brain scanning
comparison of RISA and mercury^{203} for, 1
location of cerebral metastases, 54
tissue-concentration ratios of As^{74} arsenate and labeled organic conjugates, 641
Branch, C., Milner, B., and Rasmussen, T. Intracarotid Sodium Amytal for the lateralization of cerebral speech dominance. Observations in 123 patients, 399
Brandt, H. See Lombardo, L., 704
Bravo, G. See Portera-Sanchez, A., 422
Brish, A., Lerner, M. A., and Braham, J. Intermittent claudication from compression of cauda equina by a narrowed spinal canal, 207
Brodkey, J. S., Miyazaki, Y., Ervin, F. R., and Mark, V. H. Reversible heat lesions with radiofrequency current. A method of stereotactic localization, 49
Brown, H. A. See Stevenson, G. C., 887
Bryc, S. See Wronski, J., 419
Buckley, Richard C., death, 246
Bucy, P. C., Keplinger, J. E., and Siqueira, E. B. Destruction of the "pyramidal tract" in man, 385

Cancer, current therapy, course in, 1031
Cantore, G., Guidetti, B., and Virno, M. Oral glycerol for the reduction of intracranial pressure, 278
Cardenas y C., J. See Resnikoff S., S., 301
Carlson, D. J. See Goran, A., 311
Central nervous system: See Nervous system
Cerebrospinal fluid

measurements of pressure in dog, 1047
postoperative fistulae, treated by continuous spinal drainage, 275
Cesario, T. See Javid, M., 1059
Chadduck, W. M., and Crutchfield, W. G. Extracranial masses complicating the interpretation of echoencephalograms. A new technique for quantitative evaluation, 699
Chibowski, D. See Wronski, J., 419
Child
carotid arteritis causing hemiplegia, 540
herniated lumbar intervertebral discs in teen-age, 1070
lesions of, iodoventriculography in, 492
Chondrosarcoma of cervical spine, 419
Choroido-ependymal cysts of spinal roots, 1103
Chromosomes, analysis of, in megalencephaly, 409
Clare, F. See Jackson, F. E. 512
Cloward, R. B. Cervical chordotomy by the anterior approach. Technique and advantages, 19
Single-suture closure of scalp, 142
Coccidioides immitis of cervical spine causing quadriplegia, 512
Coe, J. E., and Bondurant, C. P., Jr. Late thrombosis following the use of autogenous fascia and a cyanoacrylate (Eastman 910 Monomer) for the wrapping of an intracranial aneurysm, 884
——, and Ommaya, A. K. Evaluation of focal lesions of the central nervous system produced by extreme cold, 433
Coles, J. C. See Drake, C. G., 575
Collins, W. F. See Shafron, M. 874
Congress of Neurological Surgeons, 1119
Contact Cement for repair of small arteries, 552
Cranium: See also Brain; Head injury
base of skull, cavernous hemangioma of, 582
occipital bone, ectopic neural tissue of, 479
penetrating craniocerebral injuries, 1095
Cruce, B. L., Jr., and Todd, E. M. A simplified technique of sacral rhizotomy for pelvic pain, 835
Crutchfield, W. G. See Chadduck, W. M., 699
Cyanoacrylate
for wrapping intracranial aneurysm, late thrombosis after, 884
in experimental vascular surgery, 1067
Cyst
in posterior fossa causing parkinsonian-like syndrome, 62
of Rathke's cleft, 223
Czechoslovak Medical Society, 824

Davidoff, R. B., and McEntee, W. J., III. Local petechial reactions following cerebral angiography with Hypaque, 381
Davidoff, L. M., Discussion, 666
Davis, C. H., Jr. See Alexander, E., Jr., 288
Death
Barnum, Alec S., 246
Buckley, Richard C., 246
Heusner, A. Price, 246
McKenzie, Kenneth G., 246
Maxwell, Harry P., 246
Ott, William O., 246
De Vall, R. A. See Long, D. M., 233
Di Chiro, G., Fisher, R. L., and Nelson, K. B. The jugular foramen, 447
Dillon, M. L. See Tindall, G. T., 763
Dobben, G. See Mullan, S., 838
Donner Laboratory, Univ. of California, 247
Drake, C. G. See Aitken, R. R., 275
——, Barr, H. W. K., Coles, J. C., and Gergely, N. F. The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm, 575

Eastman 910 monomer: See Cyanoacrylate
Echinococcosis, vertebral, 647
Echoencephalography, extracranial masses complicating interpretation of, 699
Eidelberg, E. Discussion, 1045
El-Banhawy, A. See Higazi, I., 561
Electrodiagnosis in children, seminar in, 735
Electroencephalography, course in, 735, 1119
Elvidge, A. R. See Musella, R., 62
Encephalography, ultrasonic, course in, 824
Ependymoma, intracranial, factors influencing prognosis, 7
Epidermoid, intracranial, distribution and spread, 1051
Epilepsy, experimental, morphology of, 1033
Epistaxis caused by ruptured aneurysm of internal carotid artery, 678
Epstein, B. S. See Epstein, J. A., 846
Epstein, J. A., Epstein, B. S., Molho, L., and Zimmerman, H. M. Carcinoma of the pituitary gland with metastases to the spinal cord and roots of the cauda equina, 846
——, and Lavine, L. S. Herniated lumbar intervertebral discs in teen-age children, 1070
Erickson, E. E. See Andrews, R. F., 406
Ervin, F. R. See Brodkey, J. S., 49
Etani, B. See Miyake, S., 416
Evans, J. P. See Jane, J. A., 167
Exophthalmos, pulsating, angiography in diagnosis of, 561

Fairburn, B., and Larkin, I. M. A cyst of Rathke's cleft, 223
Feindel, W., Yamamoto, Y. L., and Rumin, N. Comparison of radioactive iodinated serum albumin (RISA) and radioactive mercury^{203} for brain scanning, 1
Fisher, L. E. See Jane, J. A., 167
Fisher, R. G., See Goran A., 311
Fisher, R. L. See Di Chiro, G., 447
Fiskin, R. D., and Kurze, T. Acute epidural hemorrhage complicating resection of acoustic neurinoma, 58
Flanigan, S. See Salmon, J. H., 409
Foramen lacerum posterius, anatomy and pathology, 447
Ford, L. E. See McLaurin, R. L., 364
Fox, J. L. Development of recent thoughts on intracranial pressure and the blood-brain barrier, 909
——, Baiz, T. C., and Jakoby, R. K. Differentiation of aneurism from infundibulum of the posterior communicating artery, 135
French, J. D. Discussion, 1045
See Stornelli, S. A., 769
French, L. A. See Long, D. M., 233
Friauf, W. S. See Ommaya, A. K., 249
Fukuma, S. See Miyake, S., 416

Gagliardi, L. J. See Langfitt, T. W., 998
Gallagher, J. P. Pilojection for intracranial aneurysms. Report of progress, 129
Gardner, W. J. See Sehgal, A. D., 802
Gelety, J. E. See Svien, H. J., 172
Gergely, N. F. See Drake, C. G., 575
Gilboe, D. See Javid, M., 1059
Gillingham, F. J. See Kalyanaraman, S., 854
Giroux, J. C. See Robert, F., 413
Glioma
  cerebellar and spinal in same case, 802
  gliomas in case of v. Recklinghausen's disease with adrenal pheochromocytomas, 506
  malignant, treatment of, 497
  multicentric, 805
Glycerol, oral, for reducing intracranial pressure, 278
Gol, A. See Andrews, R. F., 406
Goldring, S. Discussion, 1045
——, Hodges, F. H., III, and Luse, S. A. Ectopic neural tissue of occipital bone, 479
Goldstein, S. L., Himwich, W. A., Knapp, F. M., and Rovine, B. W. Effects of urea and other dehydrating agents upon dog brain, 672
Goodman, J. Discussion, 103
——, Kleinholz, E., and Peck, F. C., Jr. Lindau's disease—in the Hudson valley, 97
Goran, A., Carlson, D. J., and Fisher, R. G. Successful treatment of intramedullary angioma of the cord, 311
Government, medicine and common weal, 827
Granholm, L. See Norlén, G., 309
Granulation tissue simulating brain tumor, 406
Greenfield, J. C., Jr. See Tindall, G. T., 763
Groff, R. A. See Pitts, F. W., 298
Guidetti, B. See Cantore, G., 278
Gurdjian, E. S. Discussion, 264

Halasz, N. A., and Kennady, J. C. Excision of arteriosclerotic aneurysms of the cervical internal carotid artery, 352
Hamby, W. B. Pterional approach to the orbits for decompression or tumor removal, 15
  Carotid-cavernous fistula. Report of 32 surgically treated cases and suggestions for definitive operation, 859
  Discussion, 18, 134
Haskin, M. E. See Pitts, F. W., 298
Hayes, G. J. See Kline, D. G., 737, 968, 980
Head injury: See also Brain injury; Cranium
  penetrating craniocerebral, 1095
Hedges, T. R. See Langfitt, T. W., 469
——, Weinstein, J. D., Kassell, N., and Stein, S. Cerebrovascular responses to increased intracranial pressure, 292
Hein, M. F. See Wylie, E. J., 212
Hemangioma
  cavernous, of base of skull, 582
  of scalp, thrombosis of, 68
  vertebral, with compression of cord, 710
Hematoma
  chronic venous epidural, at vertex, 887
  encapsulated subdural, surgery of, 172
  epidural, in ventricular decompression, 235
  extradural, operations with false aneurysm of median meningeal artery, 667
  extradural, statistical survey of 47 cases, 364
  in posterior fossa and infantile hydrocephalus, 309
  subdural, early description of, 445
Hemorrhage
  acute epidural, complicating removal of acoustic neurinoma, 58
  effect on blood flow in carotid arteries, 763
  intracranial after revascularization for acute strokes, 212
  subarachnoid, prognosis and management, 763
Heusner, A. Price, death, 246
Higazi, I., and El-Banhawy, A. The value of angiography in the differential diagnosis of pulsating exophthalmos. A report of 3 cases, 561
Himwich, W. A. See Goldstein, S. L., 672
Hitchcock, E., and Sato, F. Treatment of malignant gliomata, 497
Hodges, F. H., III. See Goldring, S., 479
Hodgkin's disease involving optic nerve and brain, 298
Houston Neurological Symposium (13th), 1031
Hoyt, W. F. See Stevenson, G. C., 887
Hughlings Jackson Lecture, 165
Huh, K. A study of the incidence of calcification in a histological survey of surgical biopsies of meningiomas, 751
Hunt, W. E., and Luckey, W. T. The carpal-tunnel syndrome. Diagnosis and treatment, 178
Hydrocephalus
  infantile, and hematoma in posterior fossa, 309
  obstructive, rate of disappearance of Na^{24} from ventricular cavities, 521
  unilateral, from occlusion one F. Monro, 226
Hypaque for cerebral angiography, petechial reactions following, 381
Hypothermia in treatment of ruptured intracranial aneurysm, 575

Infant
  cerebral palsy treated by pedunculotomy, 1076
  hydrocephalus and hematoma in posterior fossa, 309
International Cancer Congress (IX), 639
International Congress of Neurological Surgery (III), 519
International Congress of Neuropathology (V), 1031
International Seminar on Legal Medicine, 1119
Intervertebral disc, herniated lumbar, in teen-age children, 1070
Intracranial pressure
  experimental hypertension and papilledema in monkey, 469
  increased, cerebrovascular responses to, 292
  oral glycerol for reduction of, 278
Intracranial tumor: See also Aneurysm, intracranial; Cranium; Pituitary
  acoustic neurinoma, removal complicated by epidural hemorrhage, 58
  cerebellar and spinal gliomas in same case, 802
  cerebellar medulloblastoma, with extracranial spread, 416
  cerebral and cerebellar gliomas in case of v. Recklinghausen's disease with adrenal pheochromocytomas, 506
  cerebral metastatic tumors, location of, 54
  ependymoma: factors influencing prognosis of, 7
  epidermoids, distribution and spread, 1051
  malignant gliomata, treatment of, 497
  meningioma at foramen magnum, 301

meningioma with metastases, 1098
meningiomas, calcification in, 751
multicentric gliomas, 805
parasagittal meningiomas, causing parkinsonism, 104
simulated by granulation tissue, 406
tumor induced by Yaba virus in monkey, 660
Ishikawa, S. See Meyer, J. S., 524

Jackson, F. E. Syncope associated with persistent hypoglossal artery. Case report, 139
——, and Assam, S. Extensive spinal epidural abscess treated by laminectomy and hypothermia. Case report, 237
——, Kent, D., and Clare, F. Quadriplegia caused by involvement of cervical spine with *Coccidioides immitis*. Symptomatic cure after operation and Amphotericin-B treatment, 512
Jain, K. K. Aberrant roots of the abducent nerve, 349
Jakoby, R. K. See Baiz, T. C., 306
See Fox, J. L., 135
Jamieson, K. G. Aneurysms of the vertebrobasilar system. Surgical intervention in 19 cases, 781
Jane, J. A. See Richardson, A. E., 266
——, Evans, J. P., and Fisher, L. E. An investigation concerning the restitution of motor function following injury to the spinal cord, 167
Javid, M., Gilboe, D., and Cesario, T. The rebound phenomenon and hypertonic solutions, 1059
Jeanes, L. D. See McQueen, J. D., 118
Jugular foramen: See Foramen lacerum posterius
Junior investigators, travel funds for, 1119

Kalyanaraman, S., and Gillingham, F. J. Stereotaxic biopsy, 854
Kaminski, J. See Wronski, J., 419
Kapp, J. See Skok, P., 219
Kapsalakis, Z. Diastematomyelia in two sisters, 66
Karasick, J. See Mullan, S., 838
Kassell, N. [F.] See Hedges, T. R., 292
See Langfitt, T. W., 989, 998
Kauvar, A. J. See Litvak, J., 798
Kempe, L. G. See Morelli, R. J., 230
Kennady, J. C. See Halasz, N. A., 352
Kent, D. See Jackson, F. E., 512
Keplinger, J. E. See Bucy, P. C., 385
Kerr, F. W. L. See Alexander, S., 485
Khodadad, G., and Lougheed, W. M. Repair of small arteries with Contact Cement and Teflon graft, 552
Kindt, G. W. The pattern of location of cerebral metastatic tumors, 54
King, R. B. See Bernstein, P. W., 687
See Stewart, W. A., 35
Kingman, A. F., Jr. See Raynor, R. B., 378
Kleinholz, E. See Goodman, J., 97
Kline, D. G., and Hayes, G. J. The use of a resorbable wrapper for peripheral-nerve repair. Experimental studies in chimpanzees, 737
——, ——, and Morse, A. S. A comparative study of response of species to peripheral-nerve injury. I. Severance, 968
A comparative study of response of species to peripheral-nerve injury. II. Crush and severance with primary suture, 980
Knapp, F. M. See Goldstein, S. L., 672
Kricheff, I. I., Becker, M., Schneck, S. A., and Taveras, J. M. Intracranial ependymomas: factors influencing prognosis, 7
Kugler, H. See Kuhn, R. A., 92
Kuhn, R. A., and Kugler, H. False aneurysms of the middle meningeal artery, 92
Kurze, T. See Fiskin, R. D., 58

Lang, E. R. See Barnard, R. O. 506
Langfitt, T. W., Shawaluk, P. D., Mahoney, R. P., Stein, S. C., and Hedges, T. R. Experimental intracranial hypertension and papilledema in the monkey, 469
——, Weinstein, J. D., Kassell, N. F., and Gagliardi, L. J. Transmission of increased intracranial pressure. II. Within the supratentorial space, 998
——, ——, ——, and Simeone, F. A. Transmission of increased intracranial pressure. I. Within the craniospinal axis, 989
Larkin, I. M. See Fairburn, B., 223
Lavieille, J. See Paillas, J. E., 667
Lavine, L. S. See Epstein, J. A., 1070
Leder, M. M. See Litvak, J., 798
Lee, T. K. See Meyer, J. S., 524
LeMay, M. See Shealy, C. N., 461, 880
Lerner, M. A. See Brish, A., 207
Lindau's disease in Hudson valley, 97
Litvak, J., Leder, M. M., and Kauvar, A. J. Hodgkin's disease involving optic nerve and brain, 798
Lombardi, G. See Morello, G., 1103
Lombardo, L., Alonso, P., Arroyo, L. S., Brandt, H., and Mateos, J. H. Cerebral amebiasis. Report of 17 cases, 704
Long, D. M., DeWall, R. A., and French, L. A. Unusual complication of ventriculoauriculostomy. Report of two cases, 233
Longo, P. H., See Zaclis, J., 1087
Lougheed, W. M. See Khodadad, G., 552
Luckey, W. T. See Hunt, W. E., 178
Luessenhop, A. J., and Velasquez, A. C. Observations on the tolerance of the intracranial arteries to catheterization, 85
Luse, S. A. See Goldring, S., 479
Lynge, H. N. See Markham, J. W., 1095

MacCarty, C. S., Michenfelder, J. D., and Uihlein, A. Treatment of intracranial vascular disorders with the aid of profound hypothermia and total circulatory arrest: three years' experience, 372
McCleve, D. E. See Markham, J. W., 1095
McCormick, W. F., and Beals, J. D. Severe epistaxis caused by ruptured aneurysm of the internal carotid artery, 678
McEntee, W. J., III. See Daroff, R. B., 381
McKenzie, Kenneth G., death, 246
McLaurin, R. L., and Ford, L. E. Extradural hematoma. Statistical survey of forty-seven cases, 364
McQueen, J. D., and Jeanes, L. D. Dehydration and rehydration of the brain with hypertonic urea and mannitol, 118
——, and Mego, J. L. An experimental study of tissue-concentration ratios of As^{74} arsenate and labeled organic conjugates, 641
Mahoney, R. P. See Langfitt, T. W., 469
Maltais, R. See Robert, F., 413
Mannitol for dehydration and rehydration of brain, 118
Marini, G. See Maspes, P. E., 284

MARK, V. H. See Brodkey, J. S., 49
MARKHAM, J. W., MCCLEVE, D. E., and LYNGE, H. N. Penetrating craniocerebral injuries. Report of two unusual cases, 1095
MASPES, P. E., and MARINI, G. Intracranial aneurysms. Results of direct surgical treatment with special reference to the use of moderate hypothermia and circulatory arrest, 284
——, and PAGNI, C. A. Surgical treatment of dystonia and choreo-athetosis in infantile cerebral palsy by pedunculotomy. Pathophysiological observations and therapeutic results, 1076
MATEOS, J. H. See Lombardo, L., 704
Maxwell, Harry P., death, 246
Medical hypnosis, course in, 639
Medulloblastoma, cerebellar, with extracranial spread, 416
Megalencephaly, chromosomal analysis in, 409
MEGO, J. L. See McQueen, J. D., 641
Meningioma
  at foramen magnum, 301
  calcification in, 751
  parasagittal, causing parkinsonism, 104
  with metastases, 1098
Meningocele, intrathoracic, 880
Mercury^{203} compared to RISA for brain scanning, 1
Metastatic tumor
  cerebral, location of, 54
  pituitary, with metastases to spinal cord and roots of cauda equina, 846
MEYER, J. S., ISHIKAWA, S., and LEE, T. K. Electromagnetic measurement of internal jugular venous flow in the monkey. Effect of epilepsy and other procedures, 524
MICHENFELDER, J. D. See MacCarty, C. S., 372
Micropaque barium to show brain cysts and abscesses, 288, 867
MIGLIORE, A., PAOLETTI, P., and VILLANI, R. Studies on the rate of disappearance of Na^{24} from the ventricular cavities in obstructive hydrocephalus, 521
MILNER, B. See Branch, C., 399
Minnesota Society of Neurological Sciences, 824
MIYAKE, S., TOYAMA, M., ETANI, B., and FUKUMA, S. Cerebellar medulloblastoma with postoperative extracranial spread. Report of a case, 416
MIYAZAKI, Y. See Brodkey, J. S., 49
MOLHO, L. See Epstein, J. A., 846
MORELLI, R. J., and KEMPE, L. G. Syringobulbia. Case report with 19-year follow-up, 230
MORELLO, G., and LOMBARDI, G. Choroido-ependymal cysts of the spinal roots. Case report, 1103
MORSE, A. S. See Kline, D. G., 968, 980
MULLAN, S., BECKMAN, F., and VAILATI, G. Simplified thrombosis of a large, hypertrophic hemangioma of the scalp, 68
——, ——, ——, KARASICK, J., and DOBBEN, G. An experimental approach to the problem of cerebral aneurysm, 838
MUNDINGER, F. See Riechert, T., 358
MUNSLOW, R. A., and O'NEILL, F. E. Renovist for cerebral angiography, 83
MURRAY, K. D. Dimensions of the circle of Willis and dynamic studies using electrical analogy, 26
MUSELLA, R., and ELVIDGE, A. R. Parkinsonian-like syndrome caused by cyst in posterior fossa. Report of a case, 62
Na^{24}, rate of disappearance from ventricular cavities in obstructive hydrocephalus, 521
NELSON, K. B. See Di Chiro, G., 447
Nerve: See also Paralysis
  abducent, aberrant roots of, 349
  as a tissue, conference on, 639
  carpal-tunnel syndrome, 178
  center median nucleus in cat, ascending spinal pathways of, 874
  cervical nerve root decompressed by anterior approach, 378
  nucleus caudalis of spinal trigeminal complex, ascending pathways from, 35
  optic, involved by Hodgkin's disease, 798
  peripheral, repair with resorbable wrapper, 737
  peripheral, response of species to injury of, 968, 980
  rhizotomy for pelvic pain, 835
  roots of cauda equina, metastases to, from pituitary carcinoma, 846
  trigeminal nucleus caudalis, secondary projections from, 687
Nervous system
  lesions produced by cold, 433
  tumor induced by Yaba virus in monkeys, 660
Neurosurgical classics
  XV. *Rupture of the intervertebral disc with involvement of the spinal canal.* W. J. Mixter and J. S. Barr, 74
  XVI. *Arterial encephalography, its importance in the localization of cerebral tumors.* Egas Moniz, 145
  XVII. *The Edwin Smith surgical papyrus.* J. H. Breasted, 241
  XVIII. *The basophil adenomas of the pituitary body and their clinical manifestations (pituitary basophilism).* H. Cushing, 318
  XIX. *Loss of speech, chronic softening and partial destruction of the left anterior lobe of the brain.* P. Broca, 426
  New observation of aphemia produced by a lesion of the posterior half of the second and third frontal convolutions. P. Broca, 427
  XX. *Internal hydrocephalus. An experimental, clinical and pathological study.* W. E. Dandy and K. D. Blackfan, 588
  XXI. *Antiseptic wax.* V. Horsley, 713
  Note on haemostasis by application of living tissue. V. Horsley, 713
  The control of bleeding in operations for brain tumors. With the description of silver "clips" for the occlusion of vessels inaccessible to the ligature. H. Cushing, 714
  XXII. *Discussion on the localization of function in the cortex cerebri.* D. Ferrier, 730
  XXIII. *A case in which acute spasmodic pain in the left lower extremity was completely relieved by sub-dural division of the posterior roots of certain spinal nerves, all other treatment having proved useless. Death from sudden collapse and cerebral haemorrhage on the twelfth day after the operation, at the commencement of apparent convalescence.* W. H. Bennett, 813
  A contribution to the surgery of the spine. R. Abbe, 820
  XXIV. *Intracranial aneurysms: cerebral arterio-*

radiography: surgical treatment. N. M. Dott, 894
Intracranial aneurysm of the internal carotid artery cured by operation. W. E. Dandy, 901
XXV. *The dermatomes in man.* O. Foerster, 1006
XXVI. *Attempt at surgical treatment of certain psychoses.* Egas Moniz, 1110
Neurosurgical societies
American Academy of Neurological Surgery, 82
Congress of Neurological Surgeons, 1119
Harvey Cushing Society, 246
International Congress of Neurological Surgery (III), 519
Neurosurgical Society of America, 82, 640
Neurosurgical Society of Chile, 165
Società Italiana di Neurochirurgia, 165
Venezuelan Society of Neurosurgery, 907
World Federation of Neurosurgical Societies, 163, 519
Neurosurgical Society of America, 82, 640
Neurosurgical Society of Chile, 165
New York University Medical Center, 165
Nicholson, A. N., and Turner, E. A. Parkinsonism produced by parasagittal meningiomas, 104
Nordenstam, H. See Strang, R. R., 1098
Norlén, G., Rådberg, C., and Granholm, L. Infantile hydrocephalus and hematoma in the posterior fossa. Presentation of case, 309

Odom, G. L. See Tindall, G. T., 763
Ommaya, A. K. Discussion, 265
See Coe, J. E., 433
——, Rockoff, S. D., Baldwin, M., and Friauf, W. S. Experimental concussion. A first report, 249
O'Neill, F. E. See Munslow, R. A., 83
Orbit, pterional approach to, for decompression or tumor removal, 15
Otenasek, F. J. Discussion, 102
Ott, William O., death, 246
Owens, G. Discussion, 666
See Ausman, J. I., 660

Pagni, C. A. See Maspes, P. E., 1076
Paillas, J. E., Bonnal, J., and Lavieille, J. Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematomata. Report of 3 cases, 667
Palubinskas, A. J. See Wise, B. L., 199
Pantopaque, emulsified, for ventriculography, 422
Paoletti, P. See Migliore, A., 521
Paralysis
hemiplegia in childhood caused by carotid arteritis, 540
quadriplegia caused by *Coccidioides immitis* of cervical spine, 512
Parera, C. See Portera-Sanchez, A., 422
Parkinsonism
caused by parasagittal meningiomas, 104
syndrome caused by cyst in posterior fossa, 62
Pástor, E., Szabó, G., Slowik, F., and Zoltán, J. Cavernous hemangioma of the base of the skull. Report of a case treated surgically, 582
Payne, P. M. See Richardson, A. E., 266
Peck, F. C., Jr. See Goodman, J., 97
Perlmutter, I. Discussion, 103
Pharmacology, maximal cerebral ischemia and its prolongation, 567
Pheochromocytoma, adrenal, in case of v. Recklinghausen's disease with cerebral and cerebellar gliomas, 506
Pillone, P. R. See Stewart, W. A., 35
Piloinjection for intracranial aneurysms, 129
Pineda, A. Multicentric gliomas. Report of a patient with a thalamic astrocytoma associated with a rare primary neurohypophyseal tumor, 805
Pitts, F. W., Haskin, M. E., Riggs, H. E., and Groff, R. A. "Tumor-stain" in cerebrovascular disease, 298
Pituitary carcinoma with metastases to spinal cord and roots of cauda equina, 846
Pool, J. L. Discussion, 265
Portera-Sanchez, A., Bravo, G., and Parera, C. Emulsified Pantopaque ventriculography, 422
Posterior-fossa lesions of childhood, iodoventriculography in, 492

Radiation: See also Angiography; Echoencephalography; Ventricle
comparison of RISA and mercury^{203} for brain scanning, 1
intrathoracic hyperpressure as aid in, 1087
micropaque barium to show brain cysts and abscesses, 288, 867
reversible heat lesions with radiofrequency current, 49
Rådberg, C. See Norlén, G., 309
Rasmussen, T. See Branch, C., 399
Raynor, R. B., and Kingman, A. F., Jr. Decompression of a cervical nerve root by the anterior approach. A laboratory study, 378
Rayport, M., Wisoff, H. S., and Zaiman, H. Vertebral echinococcosis. Report of case of surgical and biological therapy with review of the literature, 647
v. Recklinghausen's disease with cerebral and cerebellar gliomas and adrenal pheochromocytomas, 506
Reeves, D. L. Vertebral hemangioma with compression of the spinal cord, 710
Renovist for cerebral angiography, 83
Resnikoff S., S., and Cardenas y C., J. Meningioma at the foramen magnum, 301
Ricciardi Cruz, O. See Zaclis, J., 1087
Richardson, A. E., Jane, J. A., and Payne, P. M. Assessment of the natural history of anterior communicating aneurysms, 266
Riechert, T., and Mundinger, F. Combined stereotaxic operation for treatment of deep-seated angiomas and aneurysms, 358
Riggs, H. E. See Pitts, F. W., 298
Rinne, T. See Troupp, H., 1067
RISA compared to mercury^{203} for brain scanning, 1
Robert, F., Maltais, R., and Giroux, J. C. Dissecting aneurysm of middle cerebral artery. Case report, 413
Rockoff, S. D. See Ommaya, A. K., 249
Rovine, B. W. See Goldstein, S. L., 672
Rumin, N. See Peindel, W., 1

Salmon, J. H., and Flanigan, S. Megalencephaly. A clinical study with chromosomal analysis, 409
Sato, F. See Hitchcock, E., 497

Scalp
hemangioma, thrombosis of, 68
single-suture closure of, 142
Schechter, M. M. The occipital-vertebral anastomosis, 758
Scheinberg, L. C. See Scheinberg, S. C., 445
Scheinberg, S. C., and Scheinberg, L. C. Early description of chronic subdural hematoma. Etiology, symptomatology, and treatment, 445
Schneck, S. A. See Kricheff, I. I., 7
Sehgal, A. D., and Gardner, W. J. Separate gliomas of spinal cord and cerebellum in an individual. Report of a case, 802
Shafron, M., and Collins, W. F. Ascending spinal pathways of centre median nucleus in cat. An experimental method for the study of pain, 874
Shawaluk, P. D. See Langfitt, T. W., 469
Shealy, C. N., and LeMay, M. Unusual vascular malformations and the value of cerebral arteriography in patients with mass lesions, 461
Intrathoracic meningocele. Two additional cases of this rare entity, 880
Shillito, J., Jr. Carotid arteritis: a cause of hemiplegia in childhood, 540
Simeone, F. A. See Langfitt, T. W., 989
Siqueira, E. B. See Bucy, P. C., 385
——, and Amador, L. V. Normal angiographic configuration of carotid siphon in the pediatric patient, 216
Skok, P., Kapp, J., and Troland, C. E. Spontaneous dislocation of the atlas. Report of a case simulating syringomyelia with a discussion of etiology and methods of treatment, 219
Slowik, F. See Pásztor, E., 582
Società Italiana di Neurochirurgia, 165
Sodium Amytal, intracarotid, for lateralization of cerebral speech dominance, 399
Speakman, T. J. Internal occlusion of a carotid-cavernous fistula, 303
Spiegel, E. A., 1031
Spinal cord
acute compression of, blood pressure responses in, 485
cordotomy, cervical, by anterior approach, 21
diastematomyelia in two sisters, 66
thoracocervical region, arteriography of, 1087
Spinal injury, return of motor function after injury to cord, 167
Spinal tumor
angioma, intramedullary, treatment of, 311
chondrosarcoma, cervical, 419
choroido-ependymal cysts of spinal roots, 1103
gliomas of cord and cerebellum in same case, 802
hemangioma, vertebral, with compression of cord, 710
metastasis from pituitary carcinoma, 846
Spine: See also Intervertebral disc, herniated
atlas, spontaneous dislocation of, 219
cervical, quadriplegia caused by *Coccidioides immitis*, 512
claudication from compression of cauda equina by narrowed spinal canal, 207
epidural abscess, treatment of, 237
vertebral echinococcosis, 647
Stein, S. [C.] See Hedges, T. R., 292
See Langfitt, T. W., 469
Stereotactic surgery
biopsy, 854
method of localization, 49
treatment of angiomas and aneurysms, 358
Stevenson, G. C., Brown, H. A., and Hoyt, W. F. Chronic venous epidural hematoma at the vertex, 887
Stewart, W. A., Stoops, W. L., Pillone, P. R. and King, R. B. An electrophysiologic study of ascending pathways from nucleus caudalis of the spinal trigeminal nuclear complex, 35
Stoops, W. L. See Stewart, W. A., 35
Stornelli, S. A., and French, J. D. Subarachnoid hemorrhage—factors in prognosis and management, 769
Strang, R. R., Tovi, D., and Nordenstam, H. Meningioma with intracerebral, cerebellar and visceral metastases, 1098
Sugar, O., and Tsuchiya, G. Plastic coating of intracranial aneurysms with "EDH-adhesive," 114
Surgery, controversial areas in, seminars on, 907
Svien, H. J., and Gelety, J. E. On the surgical management of encapsulated subdural hematoma. A comparison of the results of membranectomy and simple evacuation, 172
Symposium on thalamic regulation of sensorimotor activities, 348
Syncope with persistent hypoglossal artery, 139
Szabó, G. See Pásztor, E., 582

Taveras, J. M. See Kricheff, I. I., 7
Teflon graft for repair of small arteries, 552
Tindall, G. T., Greenfield, J. C., Jr., Dillon, M. L., and Odom, G. L. Effect of hemorrhage on blood flow in the carotid arteries. Studies in ten rhesus monkeys, 763
Todd, E. M. See Crue, B. L., Jr., 835
Tovi, D. See Strang, R. R., 1098
Toyama, M. See Miyake, S., 416
Troland, C. E. See Skok, P., 219
Troupp, H., and Rinne, T. Methyl-2-cyanoacrylate (Eastman 910) in experimental vascular surgery. With a note on experimental arterial aneurysms, 1067
Tsuchiya, G. See Sugar, O., 114
Turner, E. A. See Nicholson, A. N. 104

Uihlein, A. See MacCarty, C. S., 372
Ulrich, J. Intracranial epidermoids. A study on their distribution and spread, 1051
Urea
and other dehydrating agents, effects on dog brain, 672
for dehydration and rehydration of brain, 118

Vailati, G. See Mullan, S., 68, 838
Velasquez, A. C. See Luessenhop, A. J., 85
Venezuelan Society of Neurosurgery, 907
Ventricle
decompression, complicated by epidural hematoma, 235
emulsified Pantopaque ventriculography, 429
iodoventriculography in posterior-fossa lesions of childhood, 492
rate of disappearance of Na^{24} from ventricular cavities in obstructive hydrocephalus, 521

ventriculo-auriculostomy, complication of, 233
VERDURA, J., WHITE, R. J., and ALBIN, M. Chronic measurements of cerebrospinal-fluid pressure in the dog. A new method and results, 1047
VILLANI, R. See Migliore, A., 521
VINAS, F. J. Iodoventriculography by direct catheterization of third ventricle in posterior fossa lesions of childhood, 492
VIRNO, M. See Cantore, G., 278

WARD, A. A., JR. See Westrum, L. E., 1033
WEINSTEIN, J. D. See Hedges, T. R., 292
See Langfitt, T. W., 989, 998
WEISS, R. M. Massive epidural hematoma complicating ventricular decompression. Report of a case with survival, 235
WESTRUM, L. E., WHITE, L. E., JR., and WARD, A. A., JR. Morphology of the experimental epileptic focus, 1033
WHITE, L. E., JR. Discussion, 1046
See Westrum, L. E., 1033
WHITE, R. J. See Verdura, J., 1047
WILKINS, R. H. Neurosurgical classics, 73, 144, 240, 315, 424, 586, 713, 724, 812, 892, 1006, 1108
WISE, B. L., and PALUBINSKAS, A. J. Persistent trigeminal artery (carotid-basilar anastomosis), 199
WISOFF, H. S. See Rayport, M., 647
WOOD, E. H. Angiographic identification of the ruptured lesion in patients with multiple cerebral aneurysms, 182
WOODHALL, B. Government, medicine and the common weal, 827
World Federation of Neurosurgical Societies, 163, 519
World Medical Assembly in Israel, 247
WRIGHT, R. L., and AMES, A., III. Measurement of maximal permissible cerebral ischemia and a study of its pharmacologic prolongation, 567
WRONSKI, J., BRYC, S., KAMINSKI, J., and CHIBOWSKI, D. Chondrosarcoma of cervical spine causing compression of the cord, 419
WYLIE, E. J., HEIN, M. F., and ADAMS, J. E. Intracranial hemorrhage following surgical revascularization for treatment of acute strokes, 212

Yaba virus-induced tumor of nervous system in monkeys, 660
YAMAMOTO, Y. L. See Feindel, W., 1

ZACLIS, J., LONGO, P. H., and RICCIARDI CRUZ, O. Intrathoracic hyperpressure in neuroradiology. Results in 1) cerebral pan-angiography and 2) arteriography of the thoracocervical region, 1087
ZAIMAN, H. See Rayport, M., 647
ZIMMERMAN, H. M. See Epstein, J. A., 846
ZOLTÁN, J. See Pásztor, E., 582